

# Transforming food waste into renewable energy.



# The environmental impact of food waste\*is staggering.

When food goes to the landfill, it produces methane gas. Methane is a potent greenhouse gas with more than 25 times the global warming potential compared to carbon dioxide. As states begin to ban the future use of landfills, large volume food waste generators need a sustainable solution that's better for the environment.





If food waste were a country, it would be the third largest producer of greenhouse gases in the world, behind China & the United States.<sup>2</sup>

\*Food waste can be defined in many ways. For the purposes of this paper, the following definition is helpful: "Any solid or liquid food substance, raw or cooked, which is discarded, or intended or required to be discarded. Food waste is the organic residue generated by the processing, handling, storage, sale, preparation, cooking, and serving of foods." United States E.P.A (2014

2 World Resources Institute (2012)

# You'll never look at food waste the same.

Non-sewer based Grind2Energy® is more than an alternative to landfills and traditional compost programs. The system actually recycles unavoidable food waste into clean water and renewable energy – in the form of electricity, heat, or compressed natural gas.

Through Grind2Energy's innovative process, food waste is ground on-site using a customized, industrial-strength foodservice grinder. Food waste is converted into energy-rich slurry and transported to an anaerobic digestion facility where methane is extracted for energy production. The remaining biosolids become nutrient-rich fertilizer.

The system enables you to dispose of all types of unavoidable food waste - including fats, oils and grease faster, cleaner and easier. Improve your operations, minimize avoidable food waste, and reduce odors, pests, emissions, and labor costs - all while protecting the environment.





#### **Grind2Energy®** makes organic waste disposal cleaner, easier and more efficient.

- Reduces odors and pest problems
- Cuts down on trips to the dumpster
- Decreases number of trash pickups
- Reduces disposal fees and truck emissions
- Diverts food waste from landfills
- Decreases levels of methane released into the atmosphere
- Transforms food waste into clean water, renewable energy, and beneficial fertilizers



The energy rich slurry is stored on-site in a 3000-6000 gallon tank until hauler transports to AD facility.



# Driving labor productivity and sustainability in commercial kitchens.

Trusted by food service consultants and equipment dealers for over 85 years, InSinkErator<sup>®</sup> has been making food service operations more productive with equipment solutions designed specifically for restaurants, stores, schools, hotels, hospitals and stadiums.

## Visibility to data that tracks performance and sustainability.

Your food disposal trends can be monitored daily, weekly or monthly. These usage metrics can be leveraged to minimize waste, optimize uptime, and reduce costs. The system's IoT-enabled technology automates sustainability reports, detailing how much waste was diverted from landfills, the reduction in greenhouse gas emissions, and the amount of renewable energy generated.

Sustaina neurona international contractional	Chicago, IL	ood scr into ener	
Powering 12 homes for 1 month		1 to generate 11,151 kW/h al Power	
By diverting your waste carbon emissions by 42	from landfills, you reduced tCO2e	101,545 fewer pu	
3.5 tons of fertilizer	Bio-solids for Fertilizer The remainder of the slurry energy vielded 3.5 tons of fe		
		in sink erator	

## Keep your operation running with expert service when you need it.

With our comprehensive service network, you're assured of prompt, expert service from factory-authorized InSinkErator service centers nationwide. Plus, a Dedicated Contact Center team is available to monitor, diagnose, and troubleshoot operational issues, should they arise.

For more information, call 800-845-8345 or visit www.insinkerator.com/foodservice



#### KITCHEN BETTER<sup>™</sup>

From food waste disposers and reduction systems to hot water dispensers and water saving systems, InSinkErator has a commercial equipment solution to enhance your day-to-day foodservice operations.



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www.insinkerator.com/foodservice G2E188-23J-95-90 InSinkErator® may make improvements and/or changes in the specification at any time, in its sole discretion, without notice or obligation and further reserves the right to change or discontinue models.